

INTERNATIONAL SEARCH REPORT

International application No.

PCT/ ES 03 / 00369

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.7 F01C 1/344, F02B 53/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.7 F01C, F02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, OEPMPAT, PAJ, WPI.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	DE 678 971 C (DREHKOLBEN-KRAFTMASCHINEN G.m.b.H.) 26 July 1939 (26.07.39, the whole document)	1 3, 5
Y	US 3 951 112 A (HUNTER) 20 April 1976 (20.04.76), column 3, lines 12-16, 38-51, figure 4.	3, 5
X	DE 819 935 C (SCHOBERT) 20 December 1951 (20.12.51), the whole document.	1
X	US 4 241 713 A (CRUTCHFIELD) 30 December 1980 (30.12.80), the whole document.	1
A	US 3 196 854 A (NOVAK) 27 July 1965 (27.07.65), the whole document.	2, 4
A	DE 2 226 674 A (SPEIDEL) 13 December 1973 (13.12.73), claim 1, figure 1.	2, 4

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"I" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

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"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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Date of the actual completion of the international search

14 October 2003 (14.10.03)

Date of mailing of the international search report

21 October 2003 (21.10.03)

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No
PCT/ ES 03 / 00369

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 678 971 C	26-07-1939	None	
US 3 951 112 A	20-04-1976	None	
DE 819 935 C	20-12-1951	None	
US 4 241 713 A	30-12-1980	None	
US 3 196 854 A	27-07-1965	None	
DE 2 226 674 A	13-12-1973	None	